

09853043 051104

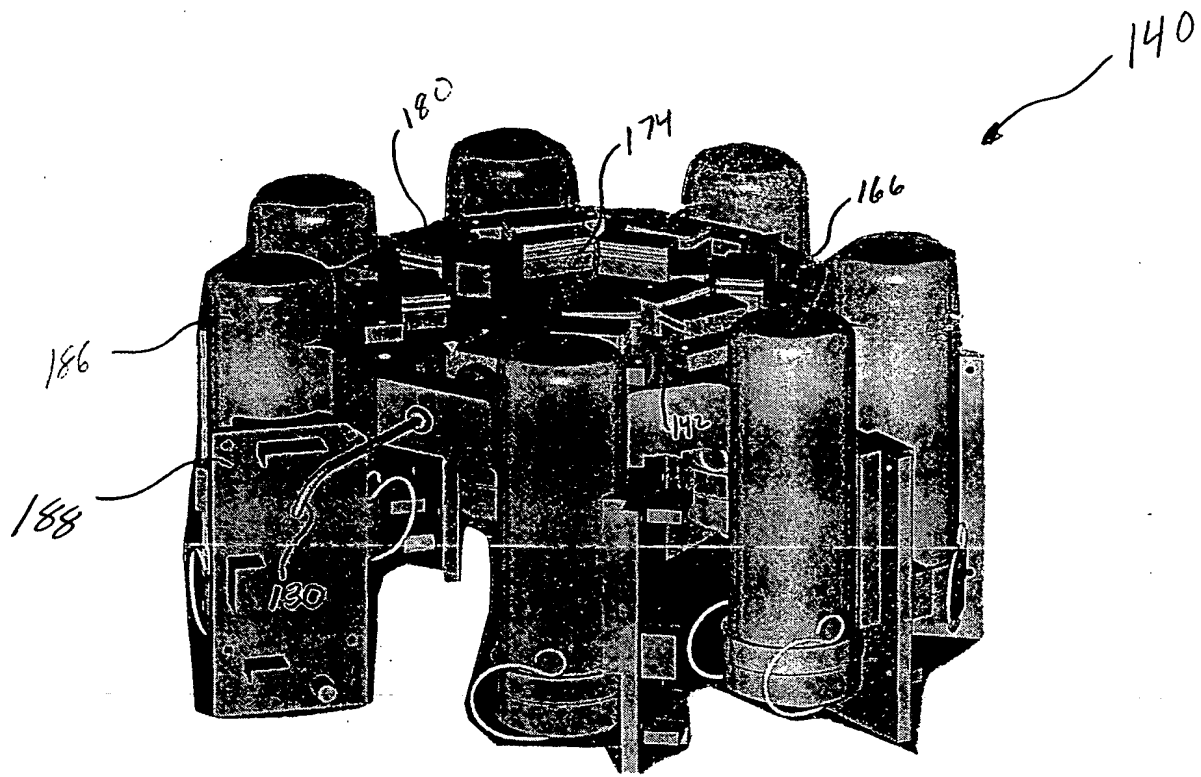


FIG. 3

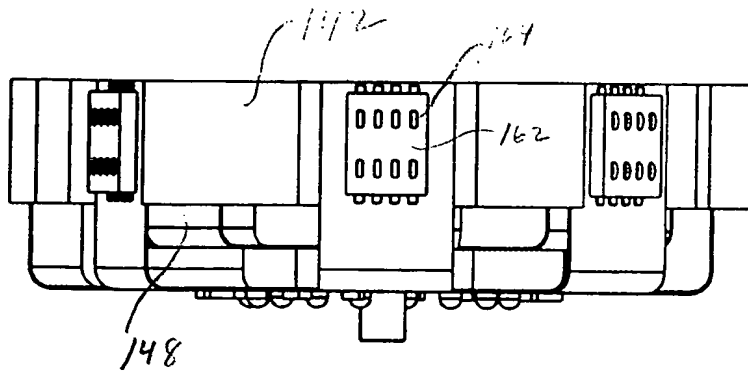


FIG. 6

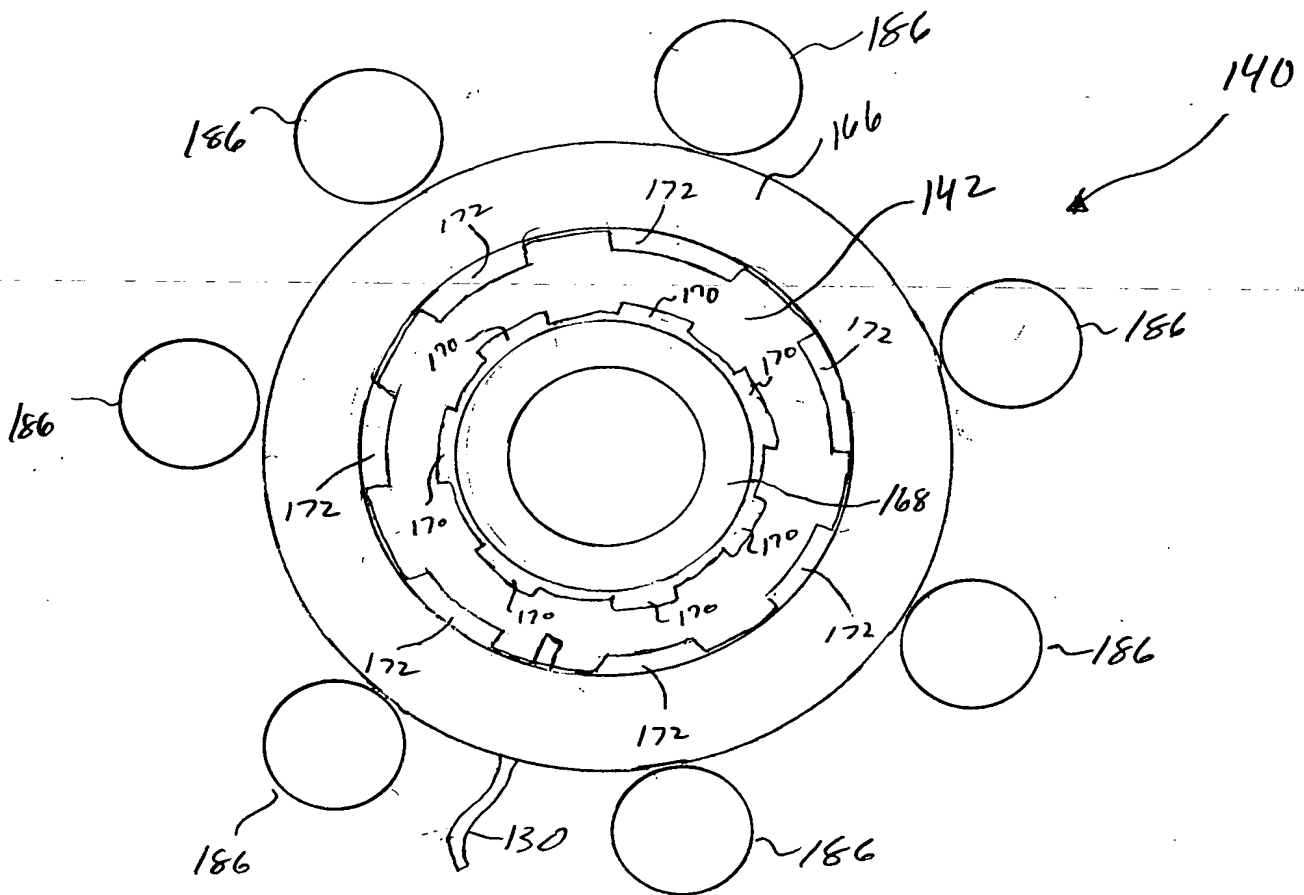


FIG. 7

0933043-05101

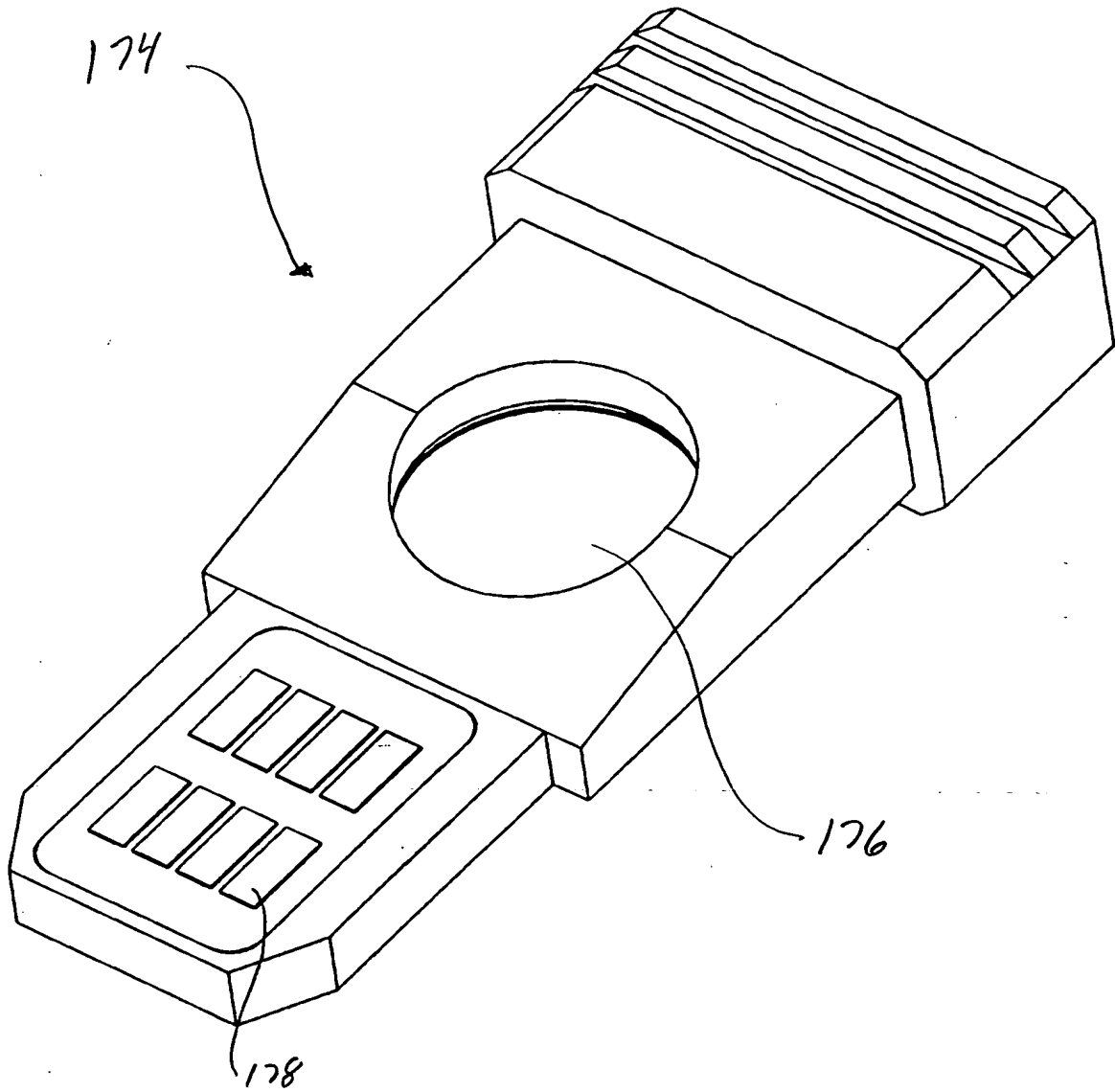
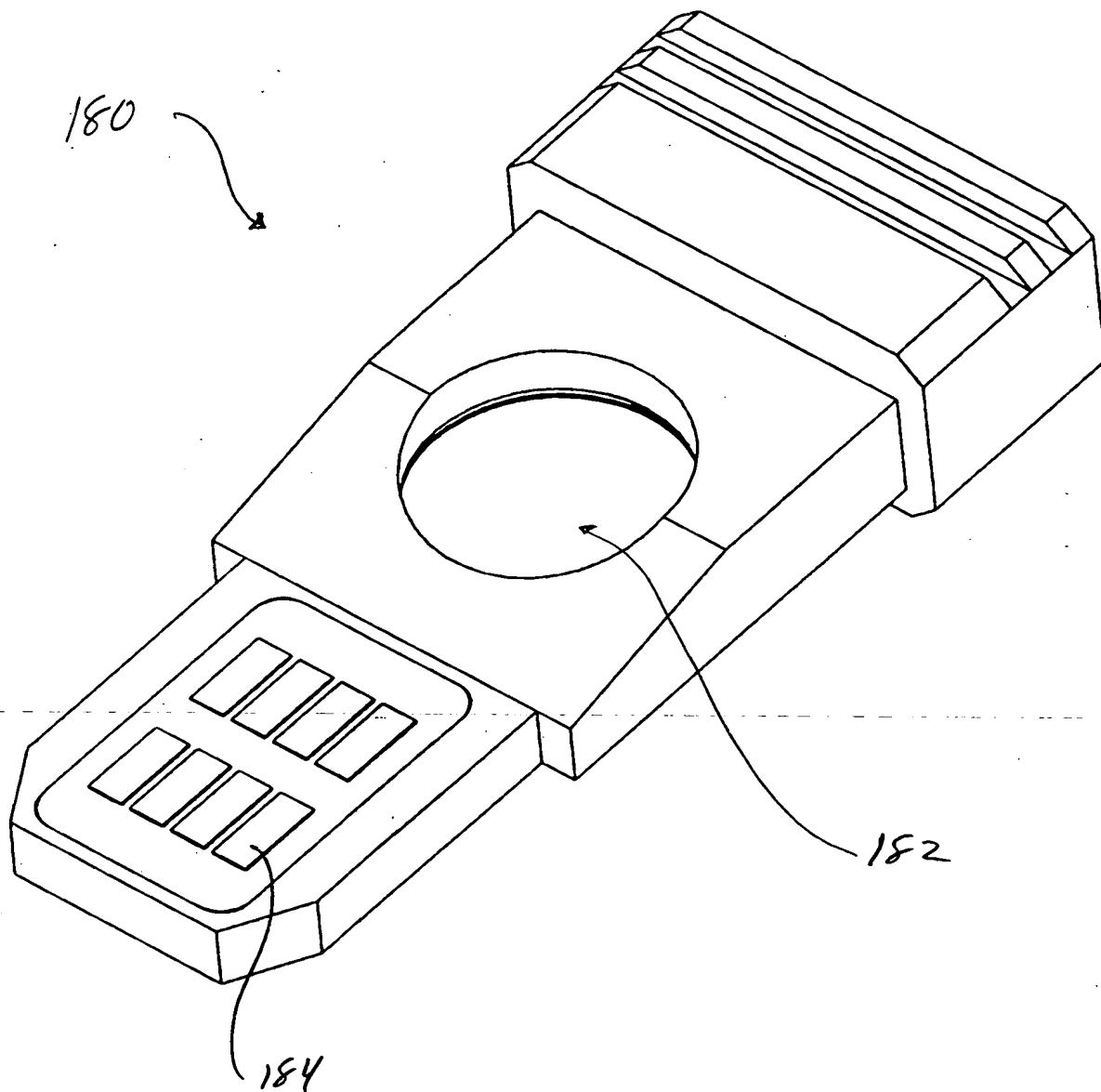


FIG. 8

09853043.05101



F16. 9

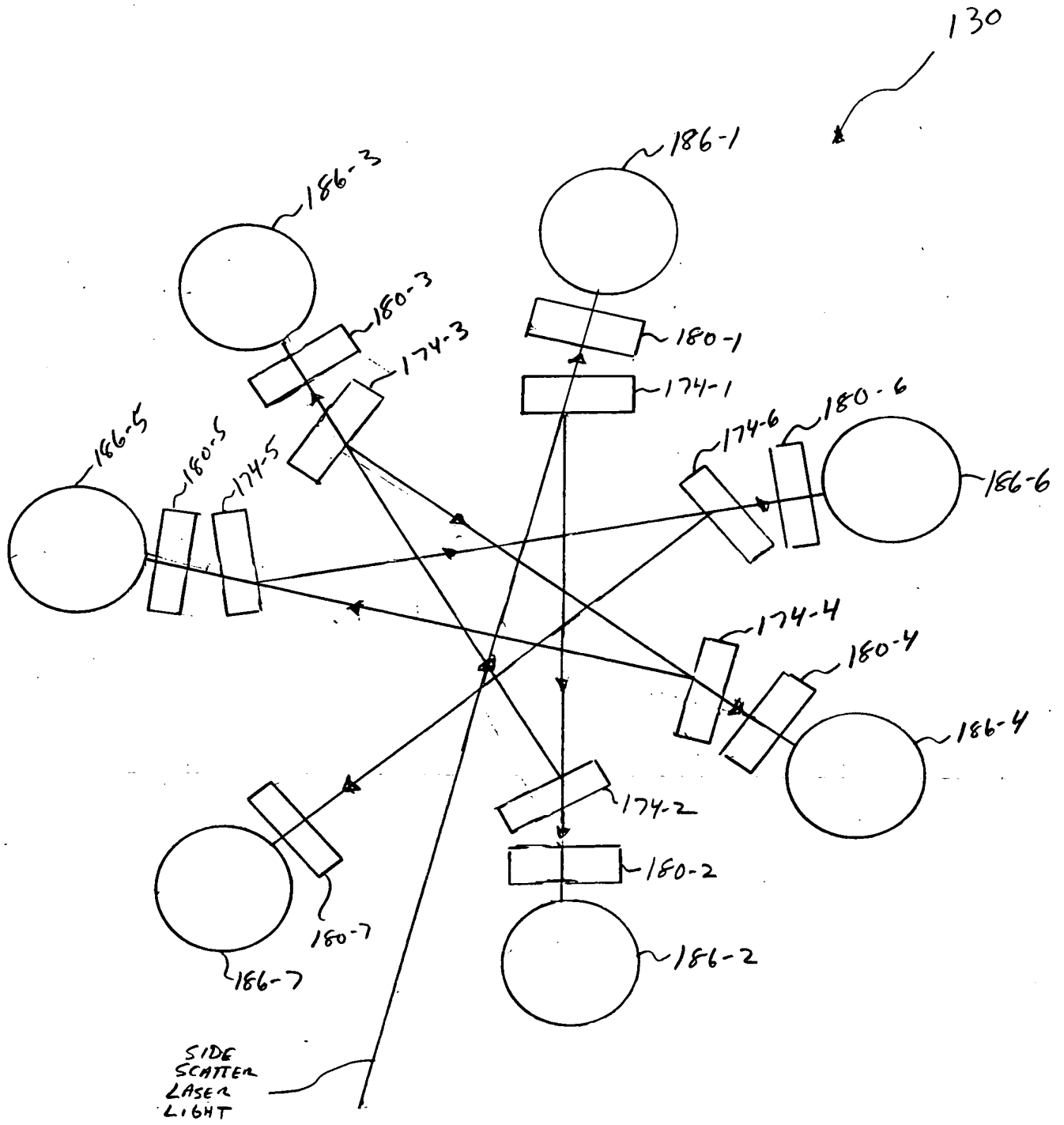
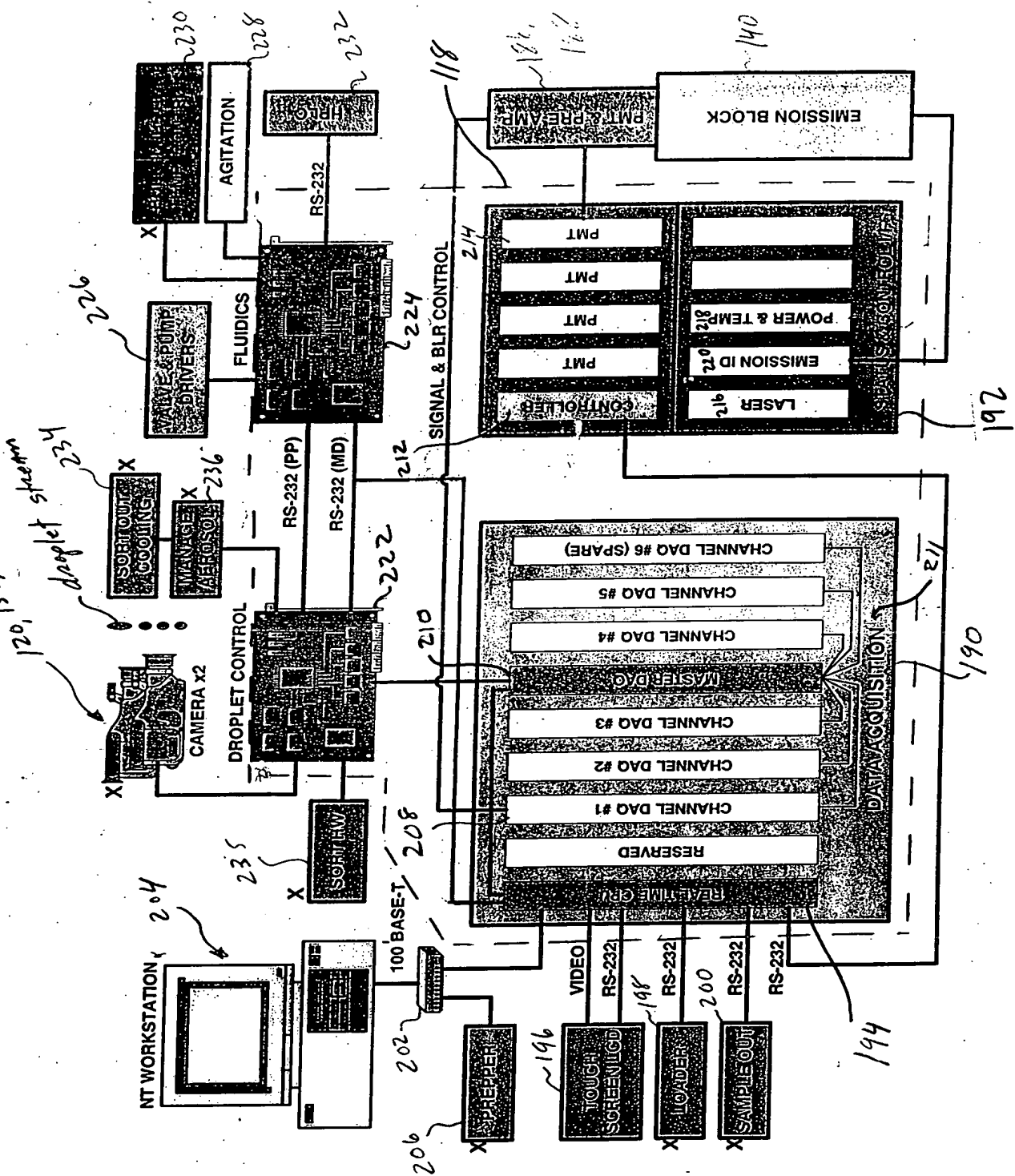


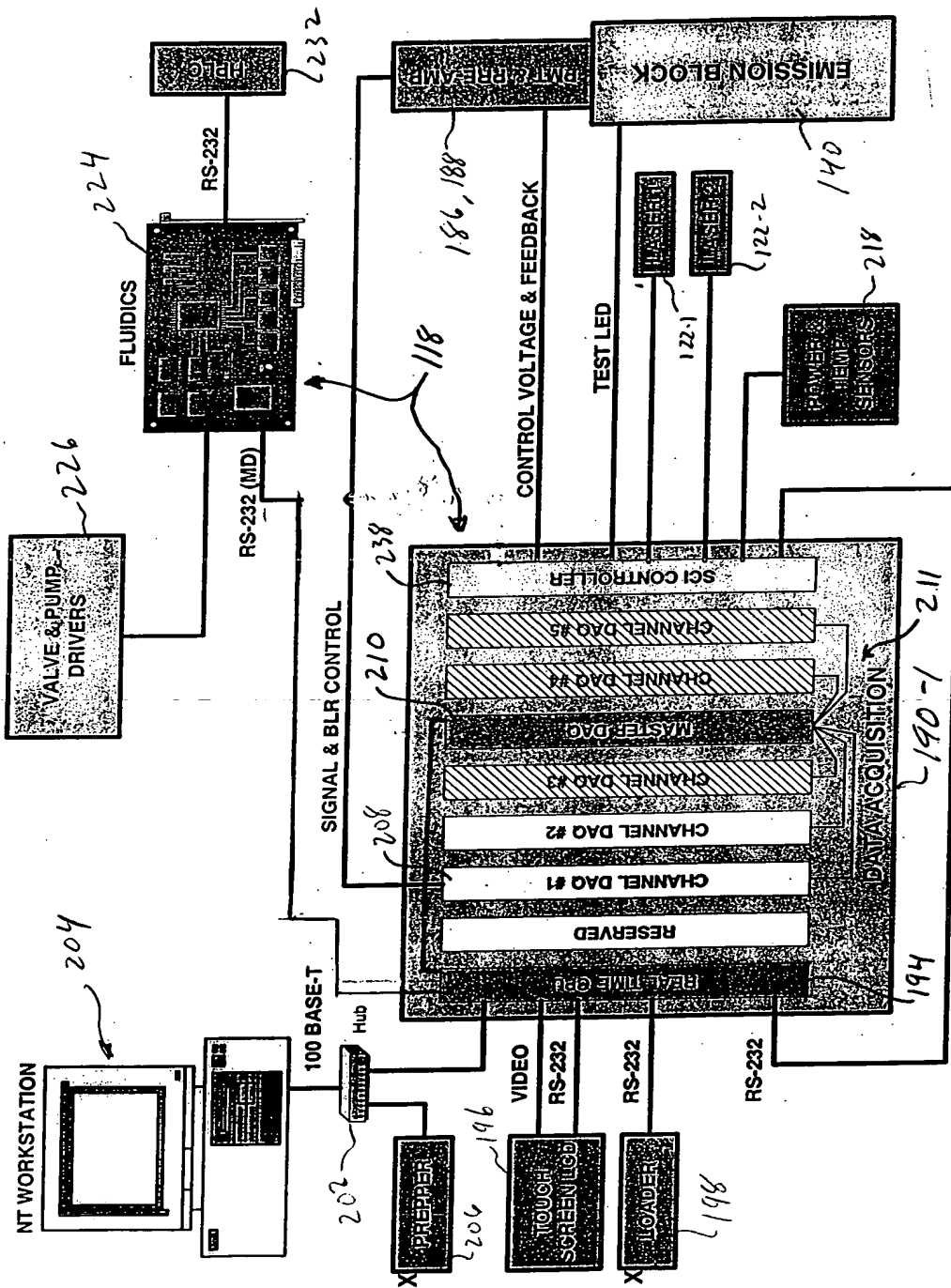
FIG. 10

FIG. 10

FIG. 11



4400 4400 4400 4400



F/G. 12

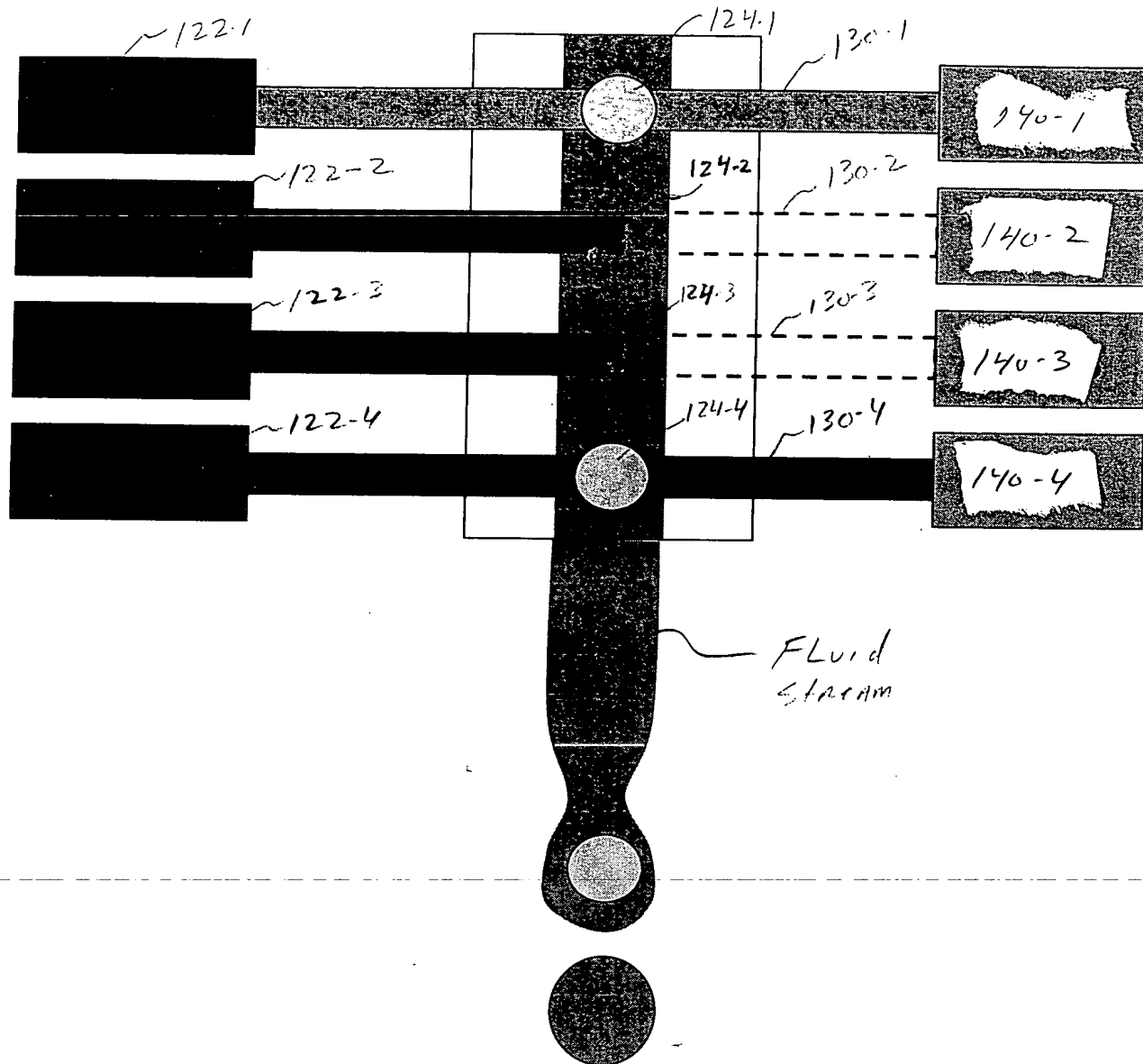


FIG. 13

FIG. 14

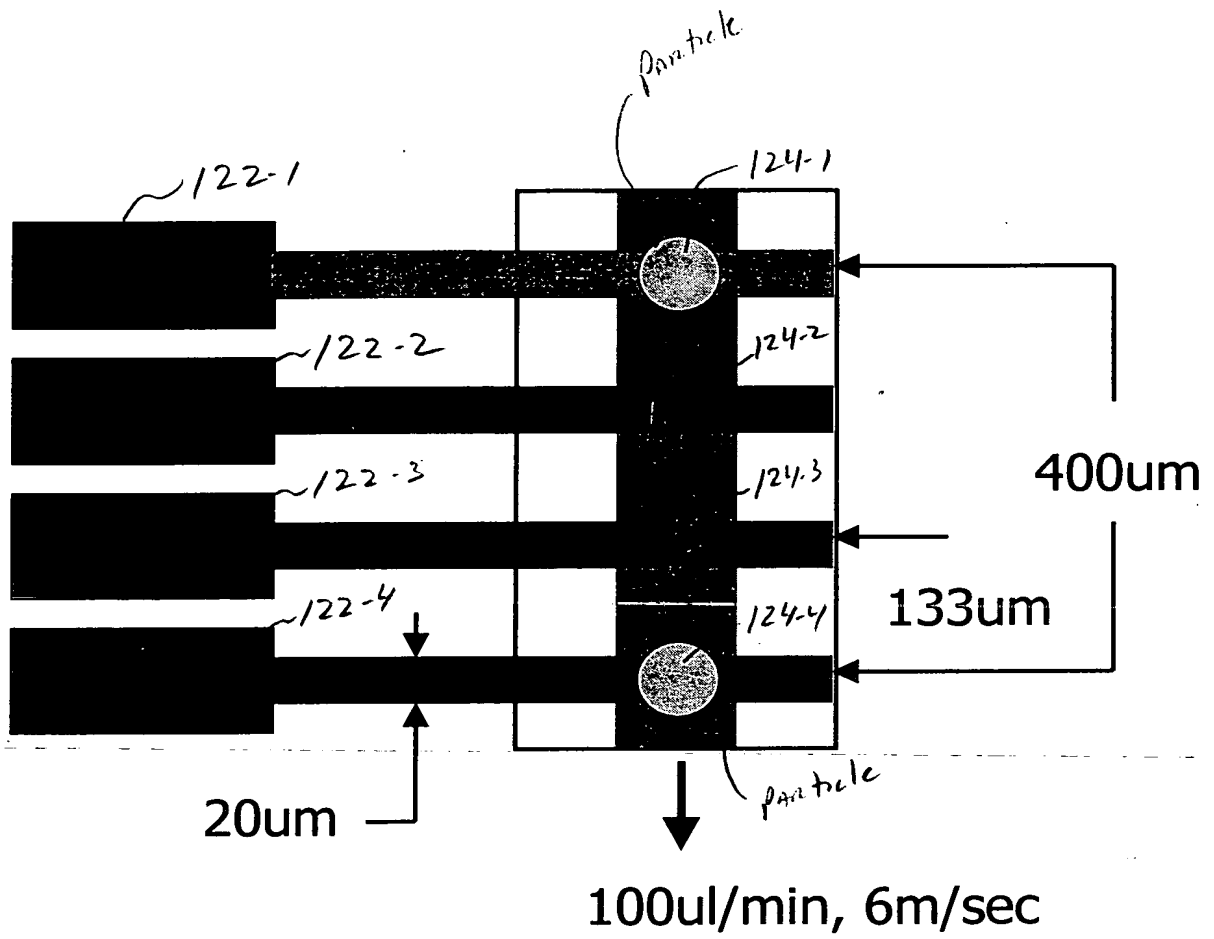


FIG. 14

FIG. 15

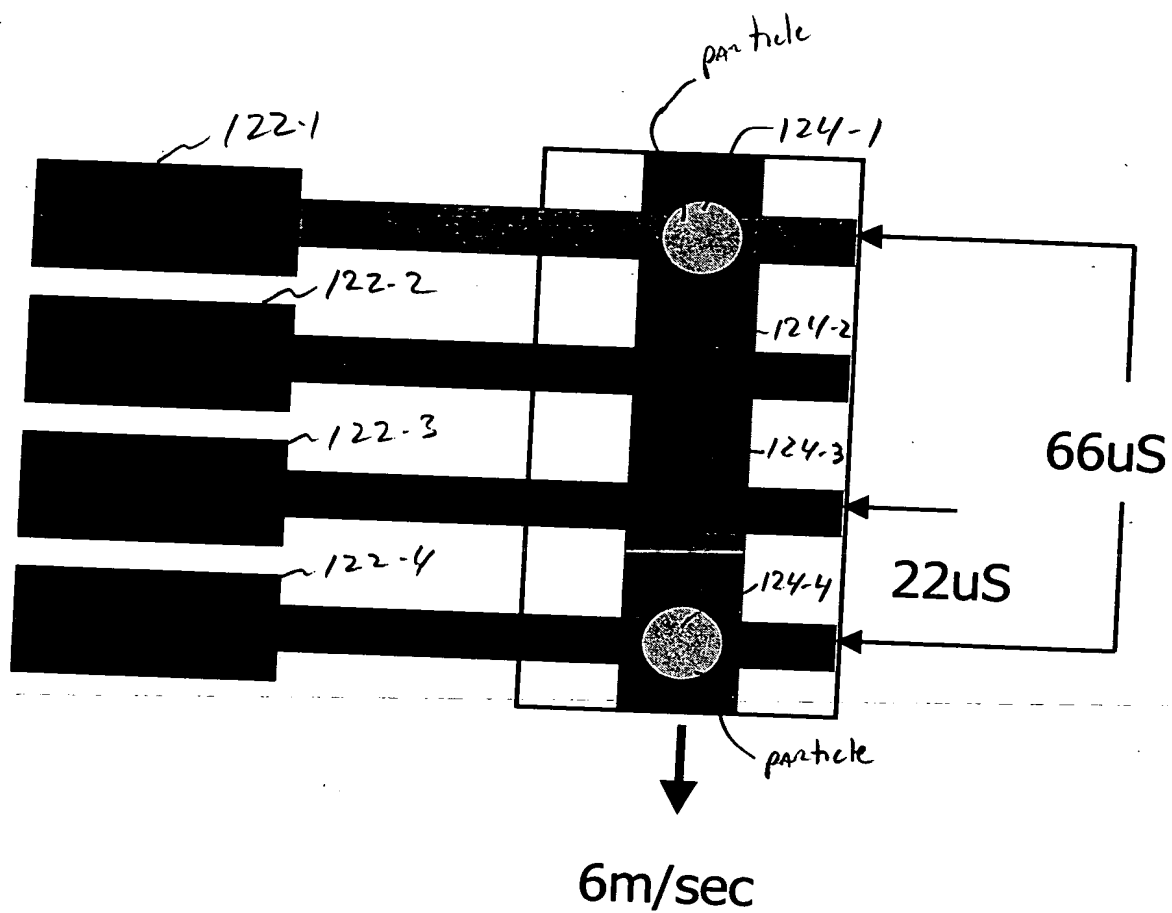


FIG. 15

TOP SECRET

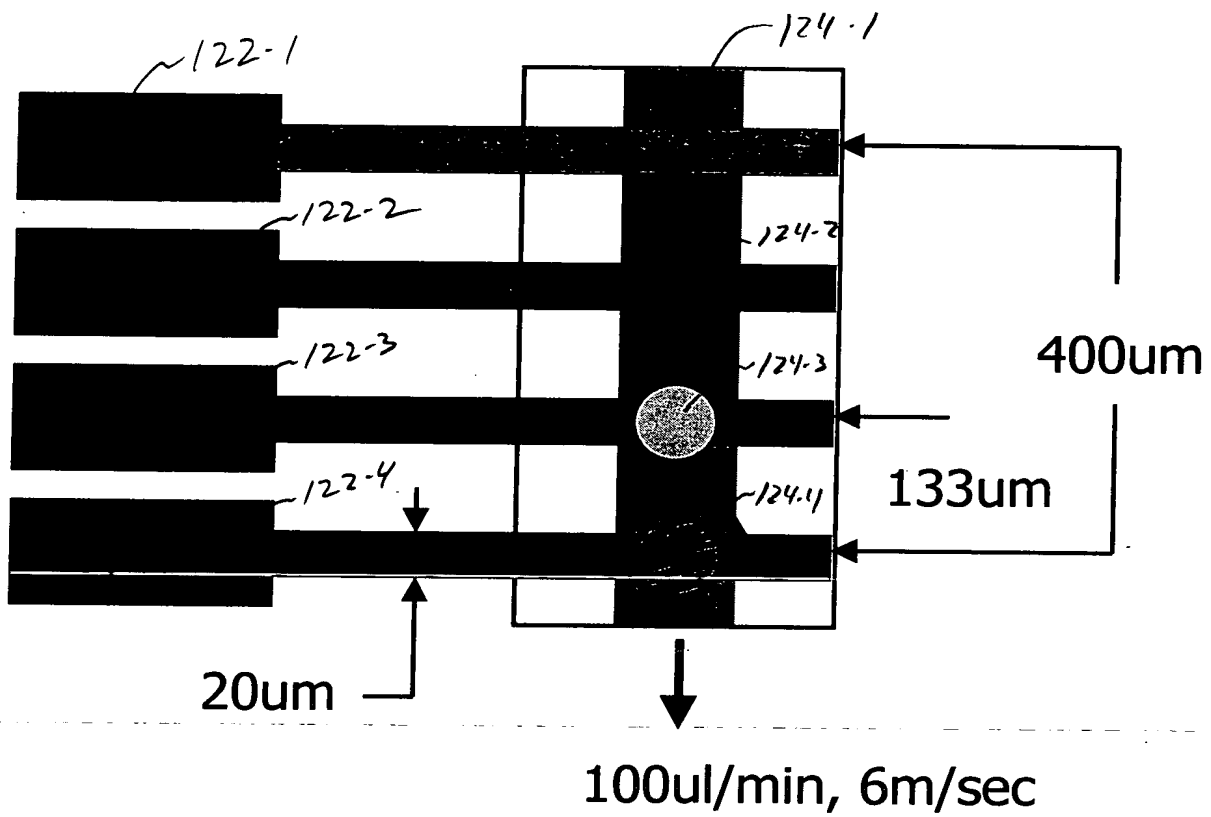
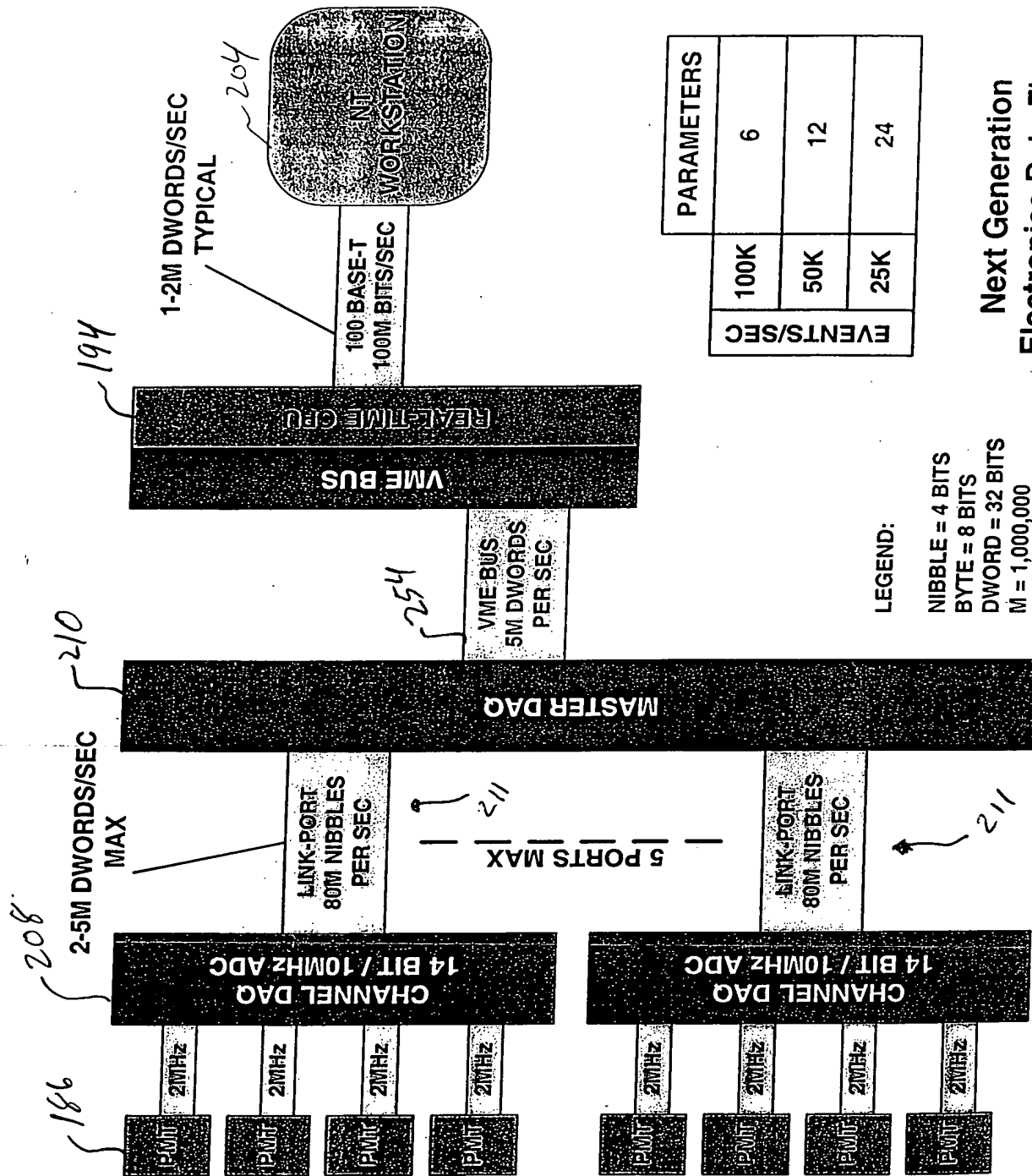


FIG. 16



PARAMETERS	
100K	6
50K	12
25K	24

LEGEND:

NIBBLE = 4 BITS
 BYTE = 8 BITS
 DWORD = 32 BITS
 M = 1,000,000

Next Generation
 Electronics Data Flow

TOP SECRET

208



Voltage from PMT buffer amp, baseline serial control signals

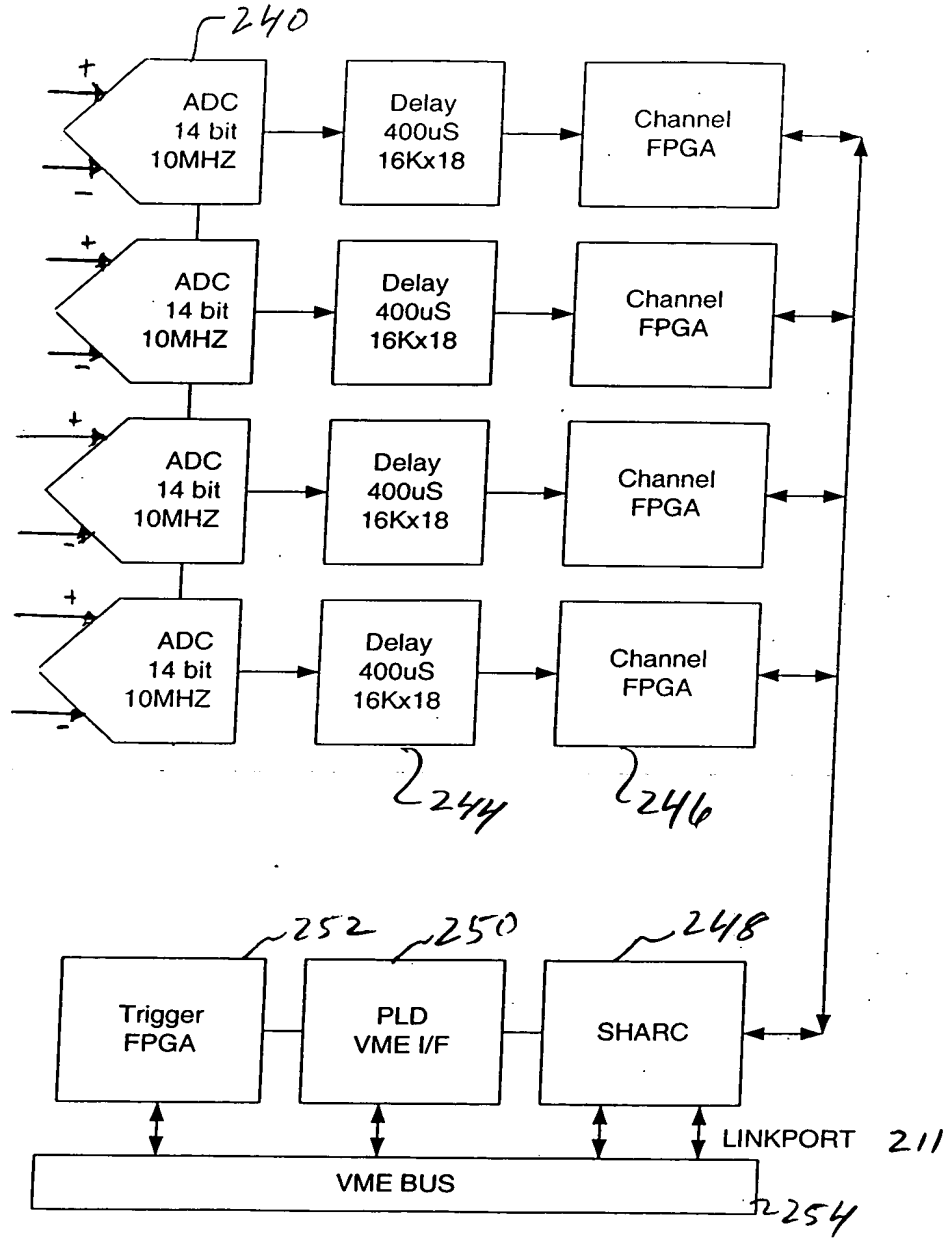
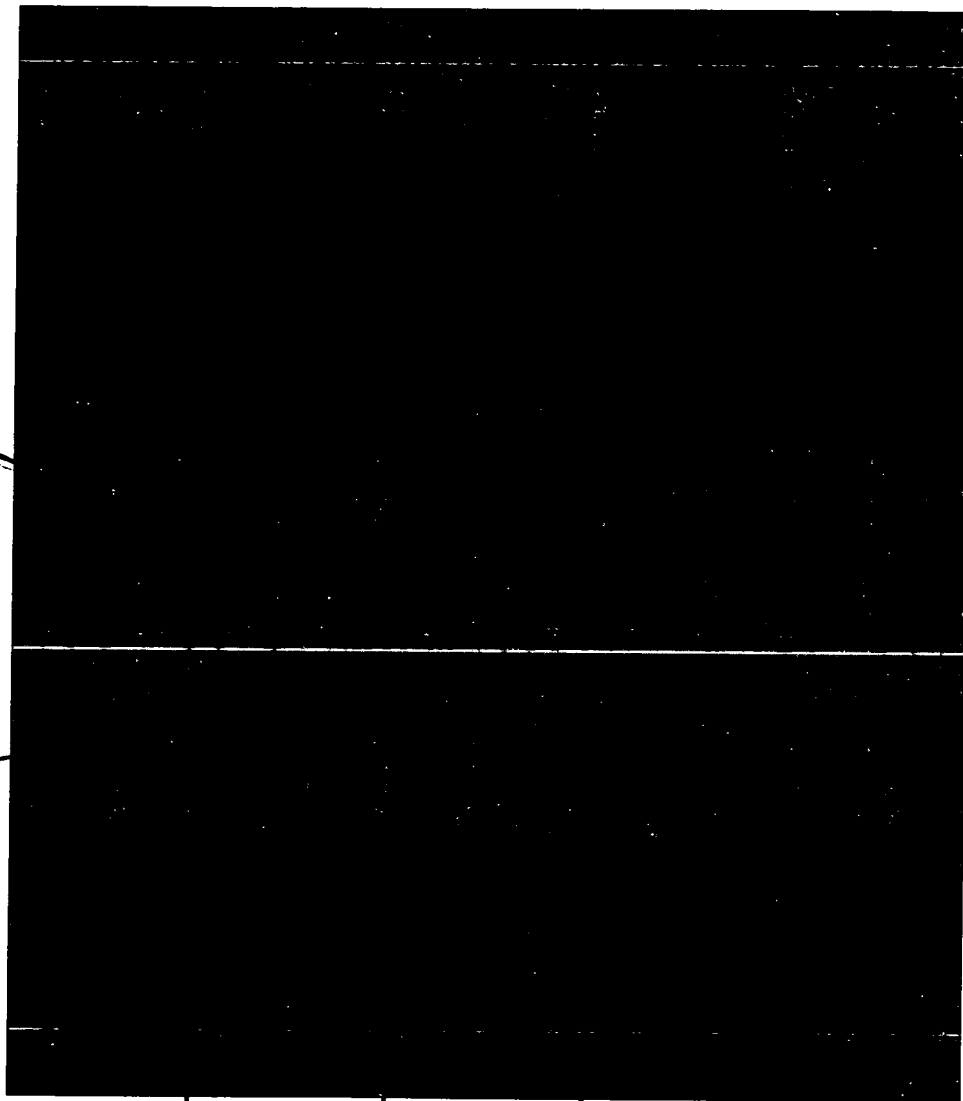


FIG. 18

240 244

166

240 244



166

PMI D

PMI C

PMI B

PMI A

Fig. 19

210

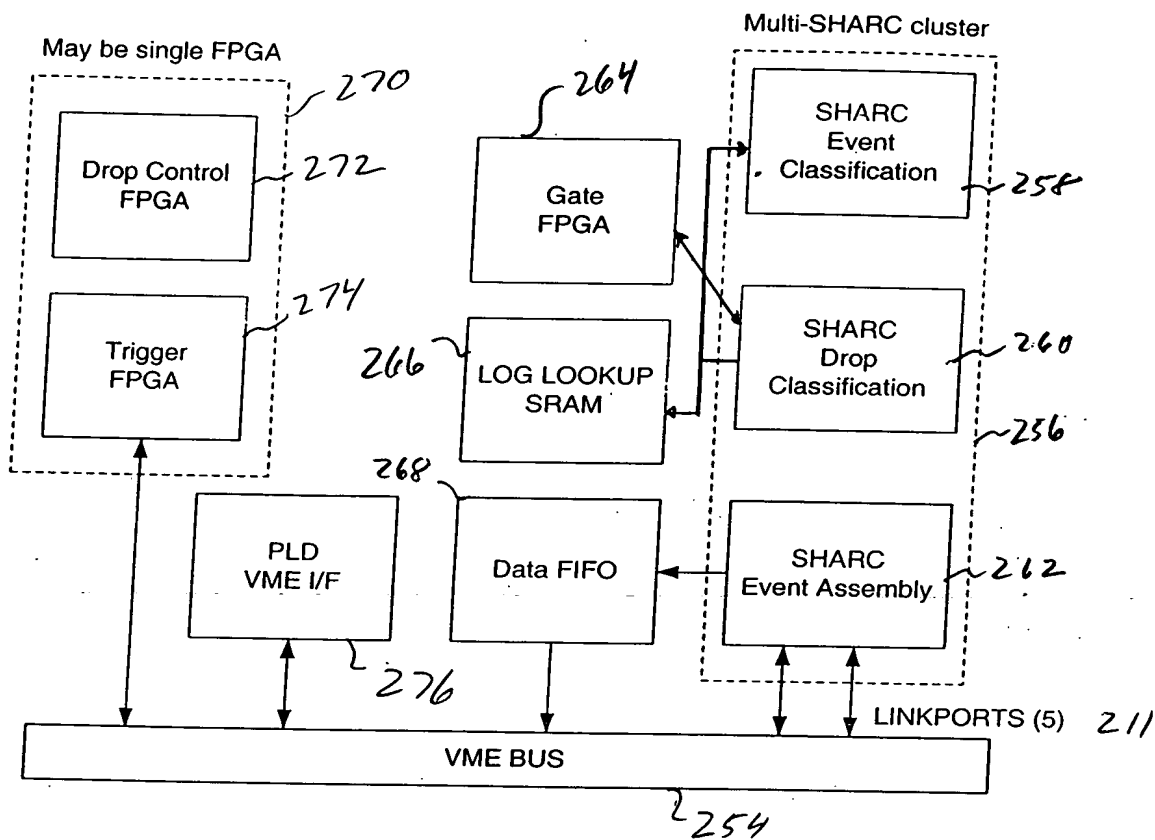


FIG. 20

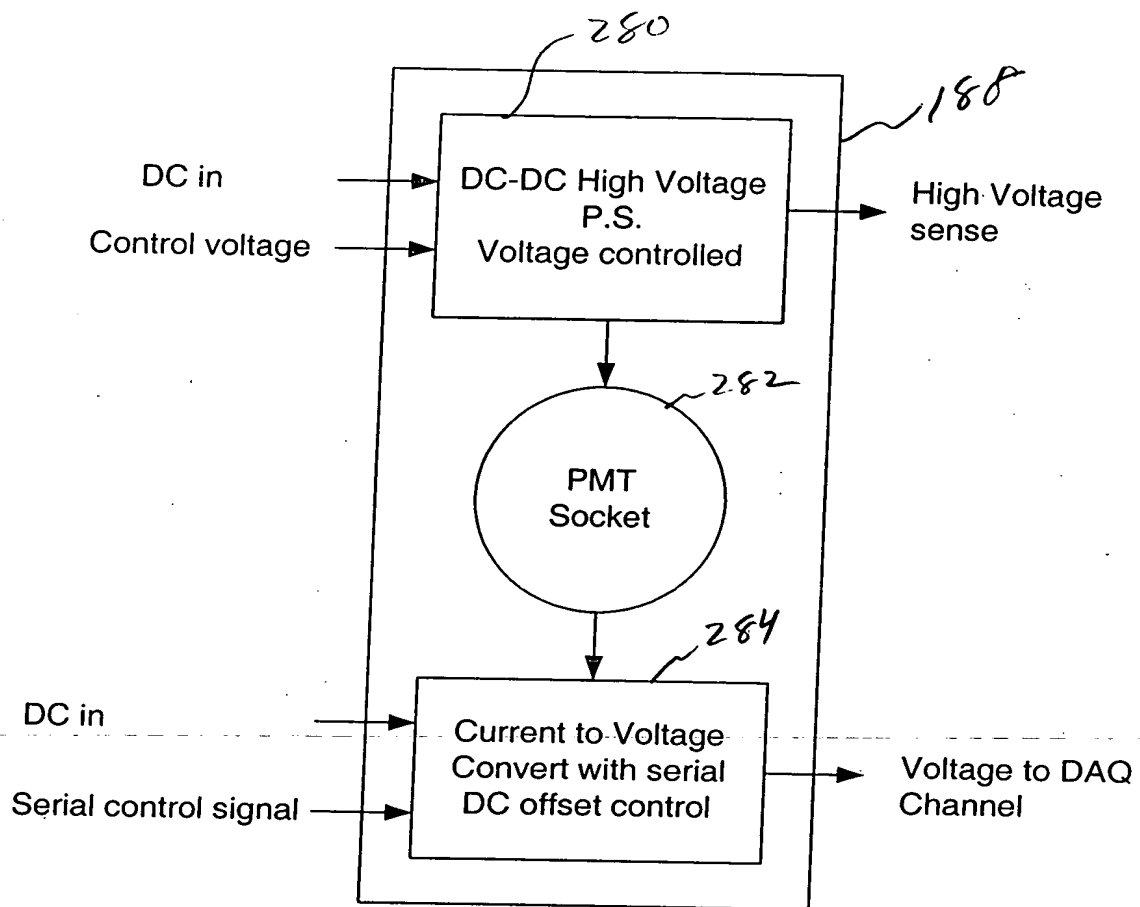
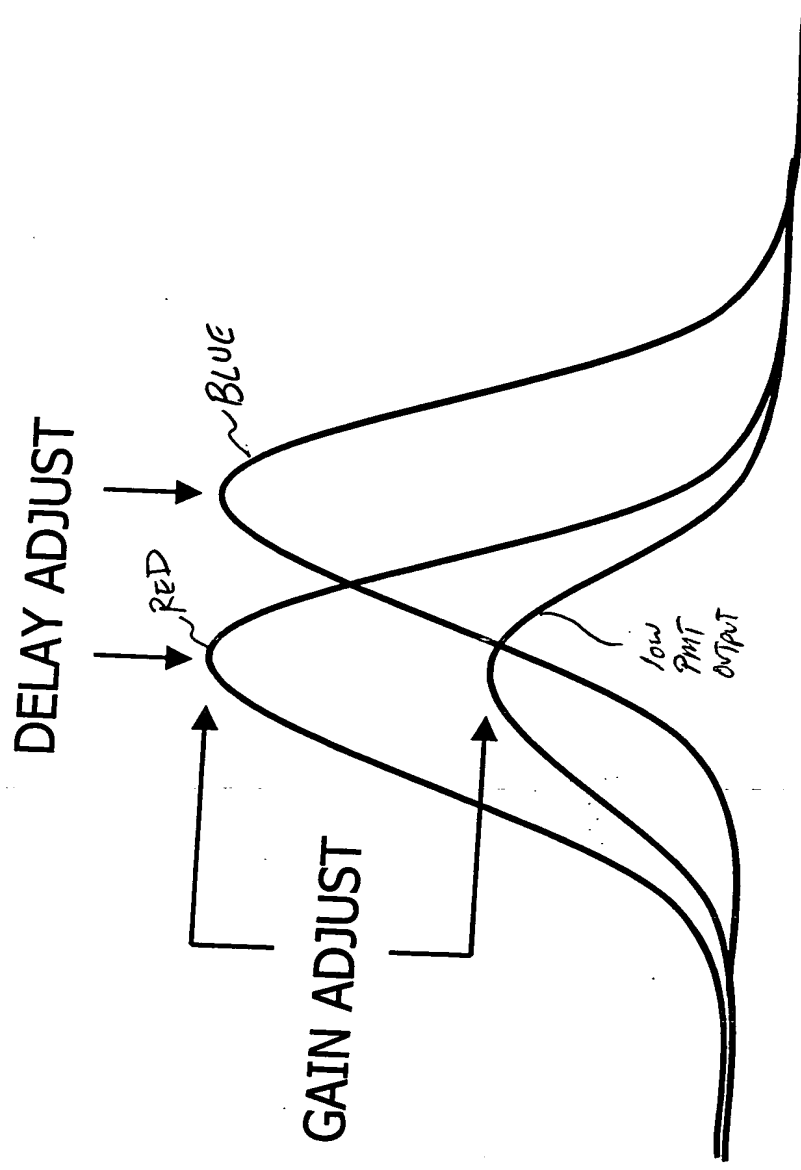


Fig. 22



Raw Channel Signal

Inter-Laser Crosstalk

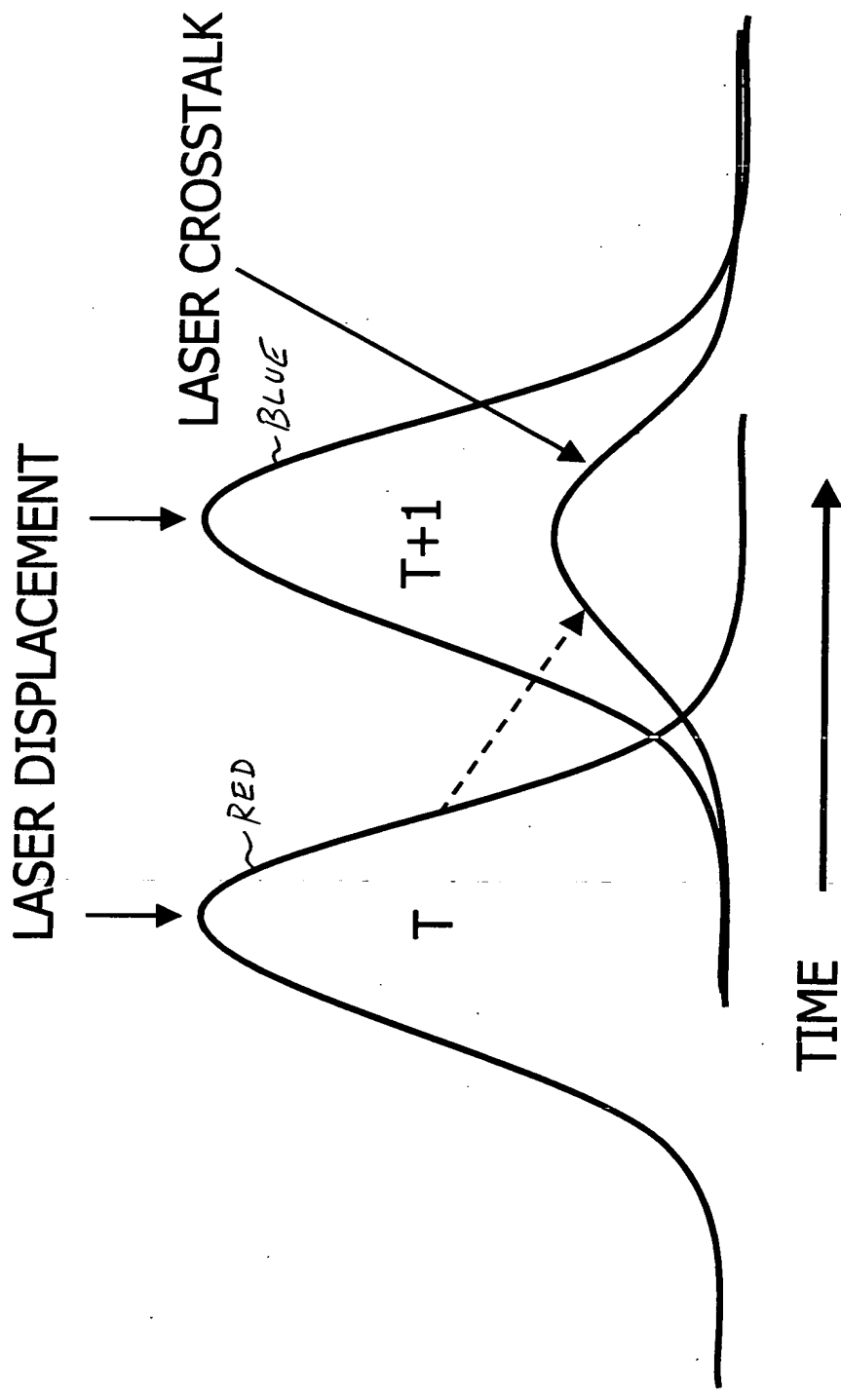


Fig. 24

Inter-Laser Crosstalk

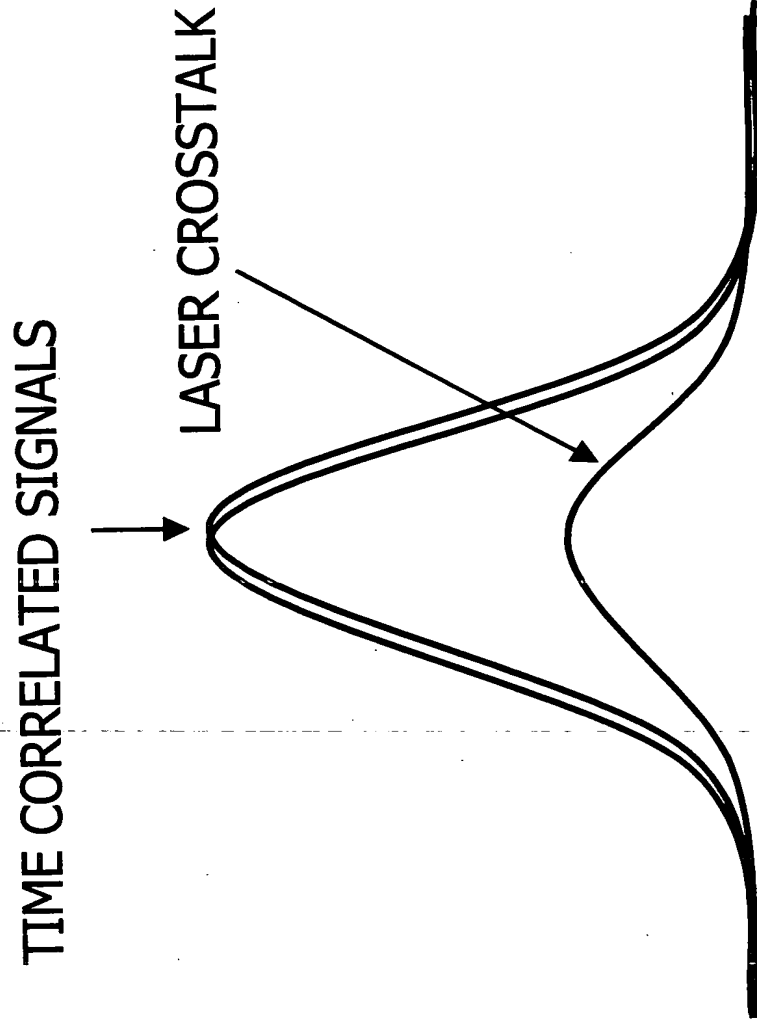
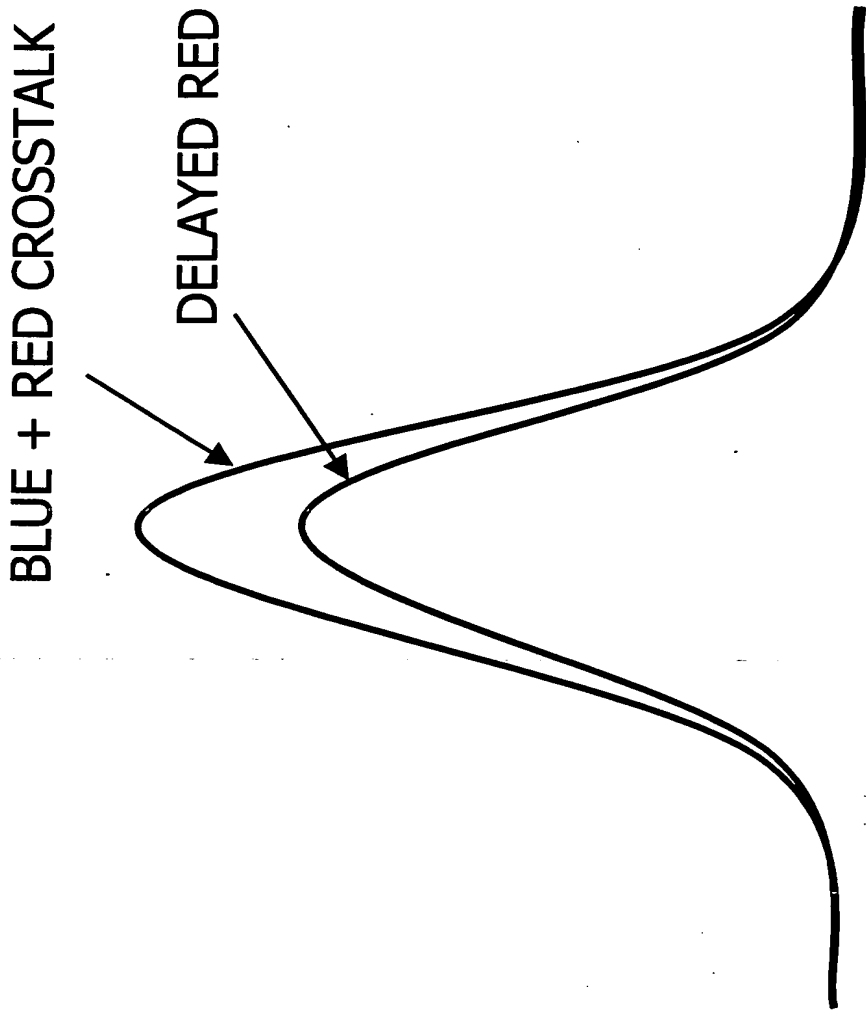


Fig. 25

Inter-Laser Crosstalk



Inter-Laser Compensation

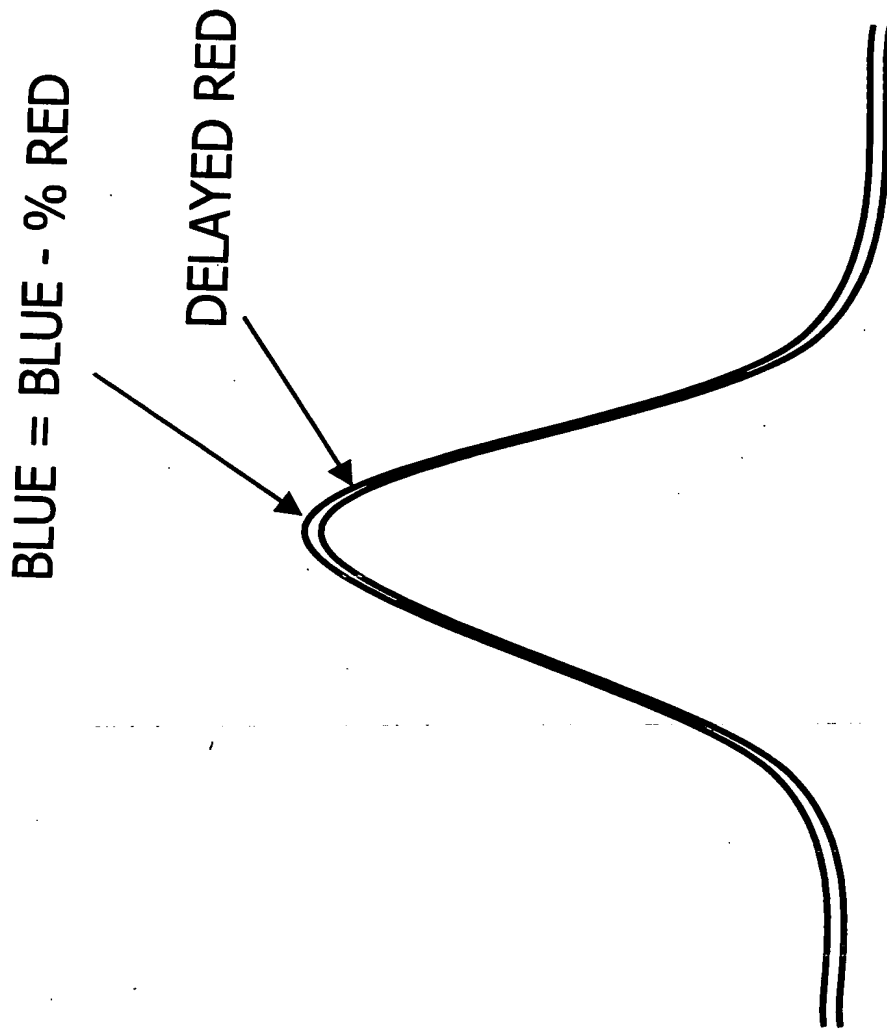


FIG. 27